

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P047853WO	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/GB2008/002573	International filing date (day/month/year) 28/07/2008	(Earliest) Priority Date (day/month/year) 08/08/2007
Applicant CILAG GMBH INTERNATIONAL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the title,

the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:
 INJECTION DEVICE WITH LOCKING MECHANISM FOR SYRINGE CARRIER

5. With regard to the abstract,

the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the drawings,

a. the figure of the **drawings** to be published with the abstract is Figure No. 3b

as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention

b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB2008/002573

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An injection device comprises a locking mechanism (171c) between a syringe carrier (127) and a release mechanism (102) to inhibit movement of the syringe carrier and syringe held by the syringe carrier towards an exit aperture of the injection device when the release mechanism is in its engaged position. The engaged position of the release mechanism is a position in which engagement of an actuator on the syringe is prevented. This assists in preventing damage to the syringe prior to actuation of the injection device.

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2008/002573

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M5/20
ADD. A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/066152 A (OWEN MUMFORD LTD [GB]; MARSHALL JEREMY [GB]; NICHOLLS CLIVE [GB]; BICK) 14 June 2007 (2007-06-14) page 14, paragraphs 2,3; figures 1-18 page 15, paragraph 4 page 17, paragraph 6 - page 18, paragraph 1	1-17
A	page 14, paragraphs 2,3; figures 1-18 page 15, paragraph 4 page 17, paragraph 6 - page 18, paragraph 1	18-20
X	WO 2007/036676 A (CILAG GMBH INTERNAT [CH]; HABESHAW ROSIE LOUISE [GB]; JOHNSTON DAVID M) 5 April 2007 (2007-04-05) page 6, line 5 - page 9, line 28; figures 1-8	1-6, 18-20
X	US 2005/203466 A1 (HOMMANN EDGÄR [CH] ET AL) 15 September 2005 (2005-09-15) paragraphs [0031], [0032], [0037] - [0039]; figures 1-11	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

24 September 2008

Date of mailing of the international search report

10/10/2008

Name and mailing address of the ISA/

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 21

The subject-matter of claim 21 is defined by reference to the drawings which is not allowed (Rule 6.2(a) PCT). Therefore the subject-matter of claim 21 is not clear (Article 6 PCT) and has not been searched.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2)PCT declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2008/002573

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos. 21 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/002573

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 2007066152	A 14-06-2007	EP	1968670 A2	17-09-2008
		GB	2433032 A	13-06-2007
		GB	2433035 A	13-06-2007
WO 2007036676	A 05-04-2007	AU	2005336826 A1	05-04-2007
		CA	2623962 A1	05-04-2007
		EP	1928523 A1	11-06-2008
US 2005203466	A1 15-09-2005	CH	696421 A5	15-06-2007
		DE	102004060146 A1	04-08-2005
		JP	2005177503 A	07-07-2005
		US	2008015520 A1	17-01-2008